

MARINE CORPS  
PROVISIONAL EXERCISE UNIT

# Camp Desert Rock



## OPERATION PLAN NO. 1-52

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Marine Corps Provisional Exercise Unit  
Camp Desert Rock, Nevada  
0900, 25 April 1952

OPERATION PLAN)  
: Desert Rock IV - Marine Corps  
Number....1-52)

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(To be issued separately, as required)

TASK ORGANIZATION

Marine Corps Provisional Exercise Unit - BrigGen EUGEN, USMC

- a. 1st Prov Mar Bn LtCol MENNER, USMC
- b. 2nd Prov Mar Bn LtCol COTNER, USMC

1. a. None

b. (1) The Atomic Energy Commission will conduct the weapons development test in which the Marine Corps Provisional Exercise Unit will participate.

(2) CG, Camp Desert Rock, as Exercise Director, coordinates Marine Corps Provisional Exercise Unit's participation in test with A.E.C. and provides administrative and logistic support.

(3) Armed Forces Special Weapons Project will provide photostereography requirements.

2. a. Marine Corps Provisional Exercise Unit on Dog-Day occupy tactical position to observe atomic bomb detonation at How-Hour prepared to advance on order to vicinity Ground Zero for briefing and observation of the effects of the detonation.

b. Boundaries, sequence of events, routes of movement, entrucking and detrucking areas, equipment demonstration positions, Annex ABLE.

c. Dog-Day and How-Hour - To be announced.

3. a. 1st Prov Mar Bn on Dog-Day occupy assigned tactical position in right sector entrenching area to observe atomic bomb detonation at How-Hour, prepared on order to advance by motor convoy to vicinity Ground Zero for briefing and observation of effects of the detonation.

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b. 2nd Prov Mar Bn on Day occupy assigned tactical position in left sector entrenching area to observe atomic bomb detonation at How-Hour, prepared on order to advance by motor convoy to vicinity Ground Zero for briefing and observation of effects of the detonation.

r. (1) This plan effective immediately for planning and training and for execution on order.

(2) Training at Camp Desert Rock, briefing and rehearsals in accordance with Training Schedule 1-52.

(3) Exercise Movement Plan - Annex BAKER.

(4) Personnel protective measures, radiological safety instructions, decontamination - Annex CHARLIE.

(5) Emergency evacuation of test area - Annex DOG.

(6) Display of equipment at demonstration position - Annex FOX.

(7) Maintain strict radio discipline.

(8) Unit commanders insure accuracy of roster reports.

(9) Displayed equipment, technical instruments or structures in exercise test area will not be handled or tampered with.

(10) Unit commanders insure compliance field sanitation and police.

(11) Bn commanders submit to this headquarters a written report of their unit's participation in the exercise.

4. a. Administrative Instructions Number 2-52.

b. Uniform:

Utility w/loppers or boots w/o loppers - trousers bloused  
Normal arms  
Appropriate web belt with canteen (filled) and first aid packet  
Steel Helmet w/camouflage cover (brown side out), w/utility cap underneath  
Gas Mask  
Film Badge

c. Lunches will be provided in the field.

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- d. Medical facilities - Annex HOW.
- 5. a. Communications - Annex EASY.
- b. Command Post - Annex ABLE.

BY COMMAND OF BRIGADIER GENERAL BURGER

J. S. COOK  
Colonel, U. S. Marine Corps,  
Chief of Staff

ANNEXES:

ABLE	Operation Sketch & Sequence of Events
BAKER	Exercise Movement Plan
CHARLIE	Atomic Warfare
DOG	Emergency Area Evacuation
EASY	Communications
FOX	Equipment Demonstration
GEORGE	Security
HOW	Medical
XPAY	Distribution

DISTRIBUTION: Annex XPAY

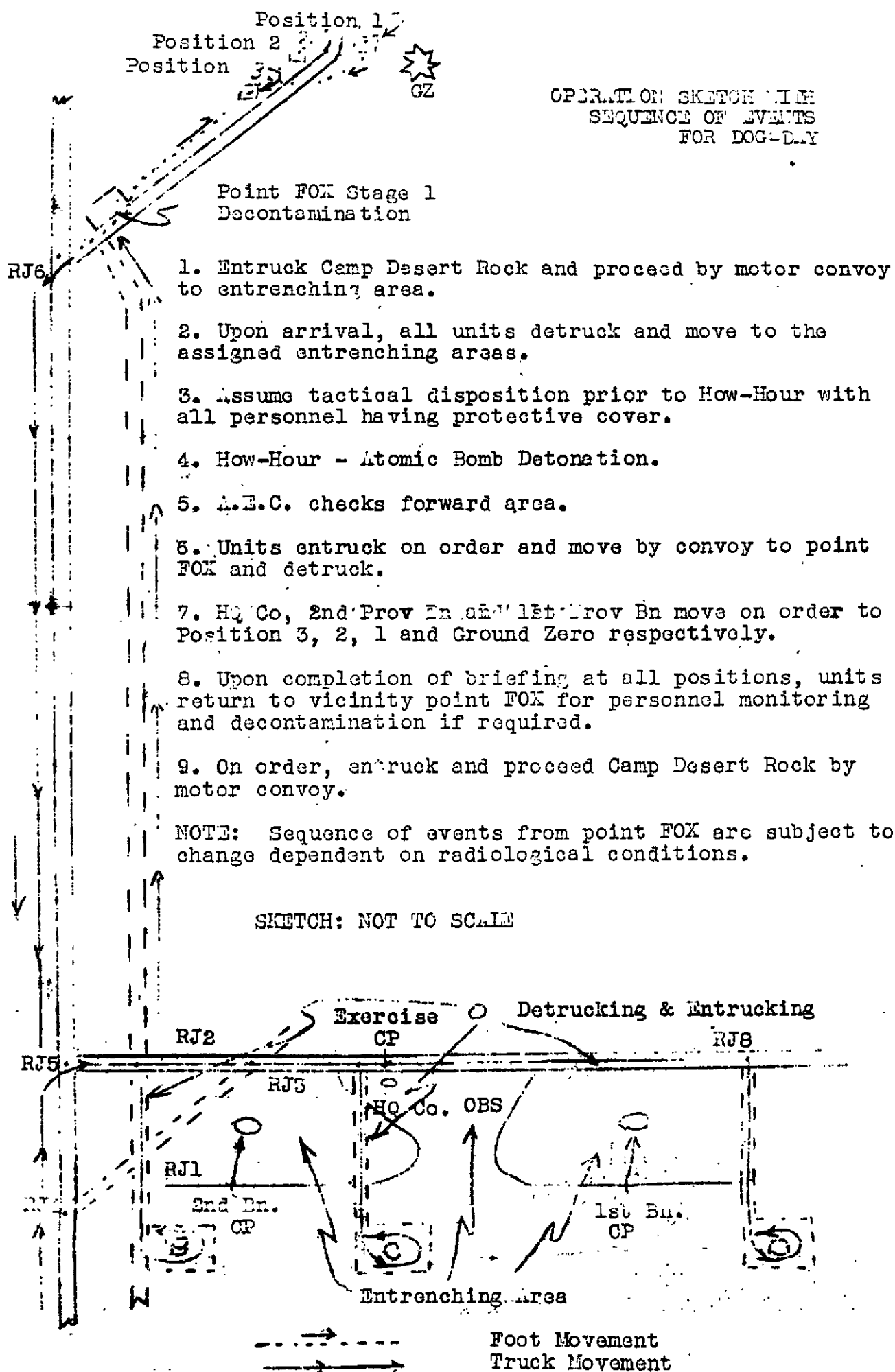
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LtCol, USMC,  
ACofS, G-3

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Camp Desert Rock, Nevada  
0900, 25 April 1952

## Annex ABLE to Operation Plan, 1-52



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Camp Desert Rock, Nevada  
0900, 25 April 1952

# Annex BAKER to Operation Plan 1-52

## EXERCISE MOVEMENT PLAN

1. The purpose of this annex is to detail the motor and foot movement of the Marine Corps Provisional Exercise Unit in Exercise Desert Rock IV.

### 2. Motor Movement

#### a. Serial Assignments

- |                 |           |
|-----------------|-----------|
| (1) HQ & HQ Co  | Serial #2 |
| (2) 1st Bn      | Serial #3 |
| (3) 1st ProvGrp | Serial #4 |

b. IP, AEC check points, road distances, road functions, on-trucking and detrucking areas, parking areas - Appendix 1.

c. Serial loading areas - Appendix 2.

d. Serial movement times, serial speed, time length of serial, order of movement - Appendix 3.

#### e. Serial Commanders

- |               |                     |
|---------------|---------------------|
| (1) Serial #2 | Capt MELBY, USMC    |
| (2) Serial #3 | LtCol CONTNER, USMC |
| (3) Serial #4 | LtCol MENKEN, USMC  |

Serial Commanders will ride in MP vehicle which will head the serial.

f. Traffic control - Camp Desert Rock Military Police.

g. Vehicle allocation to serials - Appendix 4.

h. Responsibility of Serial Commanders.

(1) Preparation of proper and accurate serial and vehicle rosters.

(2) Delivery and certification of serial rosters to guards at AEC check gates 1 and 2.

(3) Maintenance of convoy speed and departure and arrival times as listed Appendix 3.

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(4) Assurance that:

- (a) All vehicles have vehicle commander.
- (b) All personnel have gas masks and film orders.
- (c) Distance of 150 yards maintained between march units.
- (d) All vehicles closeup at encamping and debriefing areas.
- (e) All serials will be loaded 15 minutes prior to departure time.

3. Foot Movement

- a. After detraining at Point FOX units will proceed over prescribed routes through equipment demonstration positions - Annex ABLE.
- b. Order of movement - Serial 2, Serial 3, Serial 4.
- c. Serials 3 and 4 move by march units - 100 yard interval; close formation at each demonstration position for briefing; after briefing proceed through position along marking tapes as directed and proceed to next position.
- d. From vicinity of GZ or Red Safe line if established return to Point FOX over prescribed route - Annex ABLE. Remain to the north of ditch alongside road.

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J. C. COLE,  
Colonel, U. S. Marine Corps,  
Chief of Staff

ANNEX DICES

- 1. Diagrammatic Sketch of Exercise Area
- 2. Parking Area
- 3. March Order
- 4. Vehicle Allocation Table

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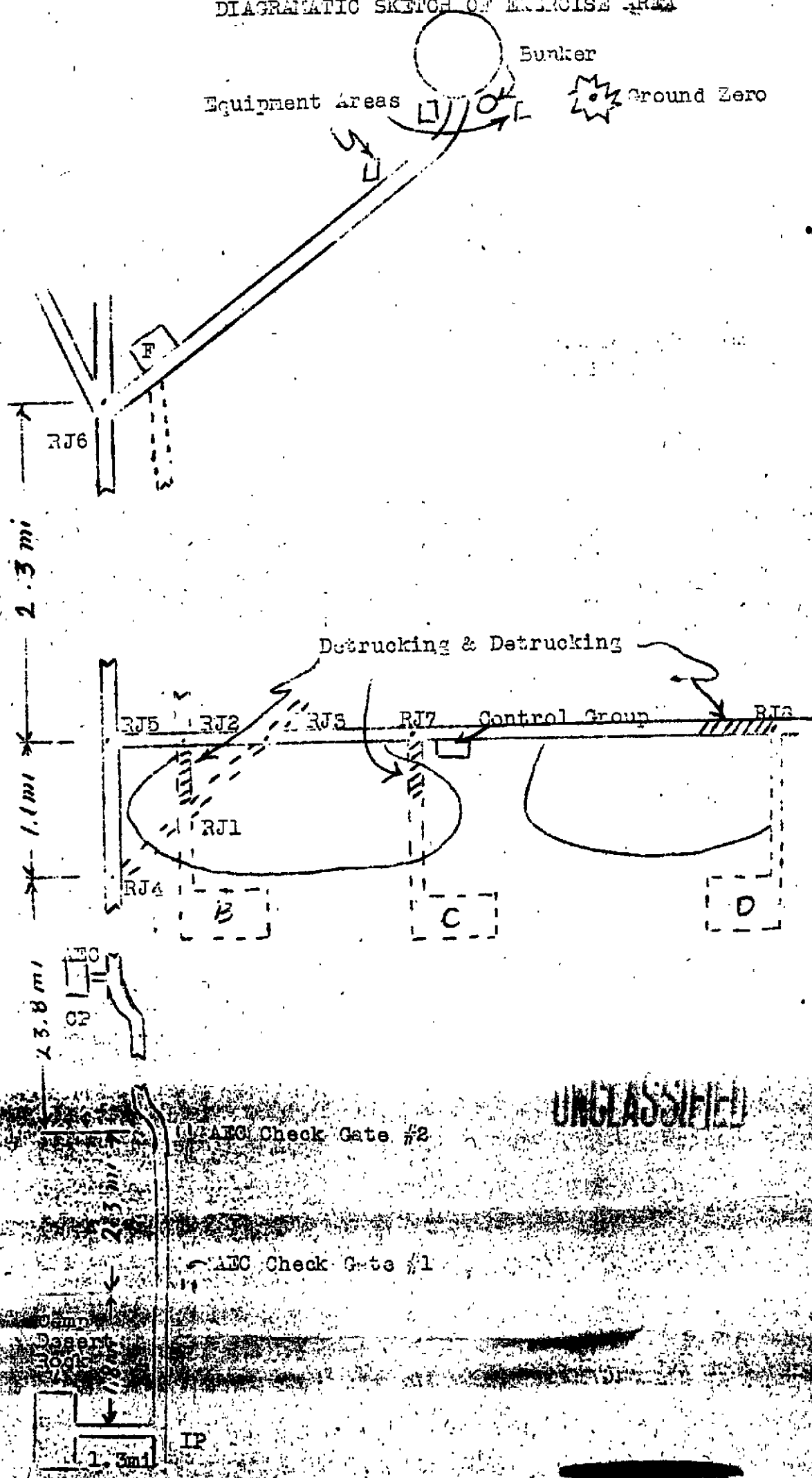
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Camp Desert Rock, Nevada  
0900 25 April 1952

Appendix 1 to Annex BAKER to Operation Plan 1-52

DIAGRAMATIC SKETCH OF EXERCISE AREA



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Marine Corps Provisional Exercise Unit  
Camp Desert Rock, Nevada  
0900, 25 April 1952

Approved by to Army 5153A to Operation Plan 1-52

MAJOR CDE

Company Headquarters Company

FROM	TO	SIDE	TIME LENGTH	TIME OFF	TIME ON	TIME ON	TIME ON
Camp Desert Rock	Initial Point	10	2 Min	H-213	H-205	H-203	
Check Gate #1	Check Gate #1	25	2 Min		H-199	H-197	
Check Gate #2	Check Gate #2	25	2 Min		H-192	H-190	
RJ-5	RJ-5	25	2 Min		H-126	H-124	
RJ-7	RJ-7	20	2 Min		H-124	H-122	
Parking Area "C"	Parking Area "C"	15	2 Min		H-114	H-112	
RJ-7	RJ-7	15	2 Min	H-20	H-23	H-25	
RJ-2	RJ-2	10	2 Min	R-19	R-23	R-25	
Parking Area "F"	Parking Area "F"	15	2 Min		R-35	R-37	
Ground Zero	Ground Zero	WALK		R-42	R-102	R-104	
Parking Area "F"	Parking Area "F"	WALK			R-142	R-146	
RJ-6	RJ-6	20	2 Min	R-151	R-152	R-154	
Check Gate #2	Check Gate #2	25	2 Min		R-125	R-127	
Check Gate #1	Check Gate #1	25	2 Min		R-232	R-234	
Initial Point	Initial Point	25	2 Min		R-238	R-240	
Camp Desert Rock	Camp Desert Rock	10	2 Min		R-246	R-254	

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PROPERTY OF THE  
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Serial #3 - Second Battalion

FROM	TO	TIME SPEED	TIME LENGTH	TIME OF MOVE	ARRIVE	CLEAR	CLOSE
Camp Desert North	Initial Point	10	6 Min	IL-206	H-198	H-192	
Initial Point	Check Gate #1	25	6 Min		H-192	H-186	
Check Gate #1	Check Gate #2	25	6 Min		H-185	H-179	
Check Gate #2	rd 5	25	6 Min		H-119	H-113	
rd 5	rd 2	20	6 Min		H-118	H-112	
rd 2	Parking Area "B"	15	6 Min		H-108		H-102
Parking Area "B"	rd 2	15	6 Min	H-20	H-23		H-29
rd 2	Parking Area "F"	15	6 Min	H-30	H-42		H-48
Parking Area "F"	Ground Zero	WALK		H-53	H-113	H-125	
Ground Zero	Parking Area "F"	WALK			H-153		H-165
Parking Area "F"	rd 6	20	6 Min	H-170	H-171	H-177	
rd 6	Check Gate #2	25	6 Min		H-174	H-151	
Check Gate #2	Check Gate #1	25	6 Min		H-151	H-158	
Check Gate #1	Initial Point	25	6 Min		H-157	H-163	
Initial Point	Desert North	10	6 Min		H-165	H-171	

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Serial #4 - 1st Battalion

FROM	TO	SPEED	TIME LENGTH	TIME OF MOVE	ARRIVE	CLEAR	CLOSE
Camp Desert Block	Initial Point	10	6 Min	H-105	H-187	H-181	
Initial Point	Check Gate #1	25	6 Min		H-181	H-175	
Check Gate #1	Check Gate #2	25	6 Min		H-174	H-168	
Check Gate #2	Check Gate #3	25	6 Min		H-108	H-102	
RJ 4	Check Gate #3	20	6 Min		H-104		H-98
RJ 8	Parking Area "D"	15	6 Min	H-93	H-91		H-85
Parking Area "D"	RJ 8	15	6 Min	H-20	H-24		H-80
RJ 8	RJ 2	10	6 Min	H-81	H-35	H-41	
RJ 2	Parking Area "F"	15	6 Min		H-47		H-53
Parking Area "F"	Ground Zero	WALK		H-70	H-130	H-142	
Ground Zero	Parking Area "F"	WALK			H-170		H-182
Parking Area "F"	RJ 6	20	6 Min	H-187	H-188	H-194	
RJ 6	Check Gate #2	25	6 Min		H-261	H-267	
Check Gate #2	Check Gate #1	25	6 Min		H-268	H-274	
Check Gate #1	Check Gate #3	25	6 Min		H-274	H-280	
Initial Point	Camp Desert Block	10	6 Min		H-282		H-288

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1. Lt. Col. G. 3  
LtCol, U.S.  
ACofS, G-3

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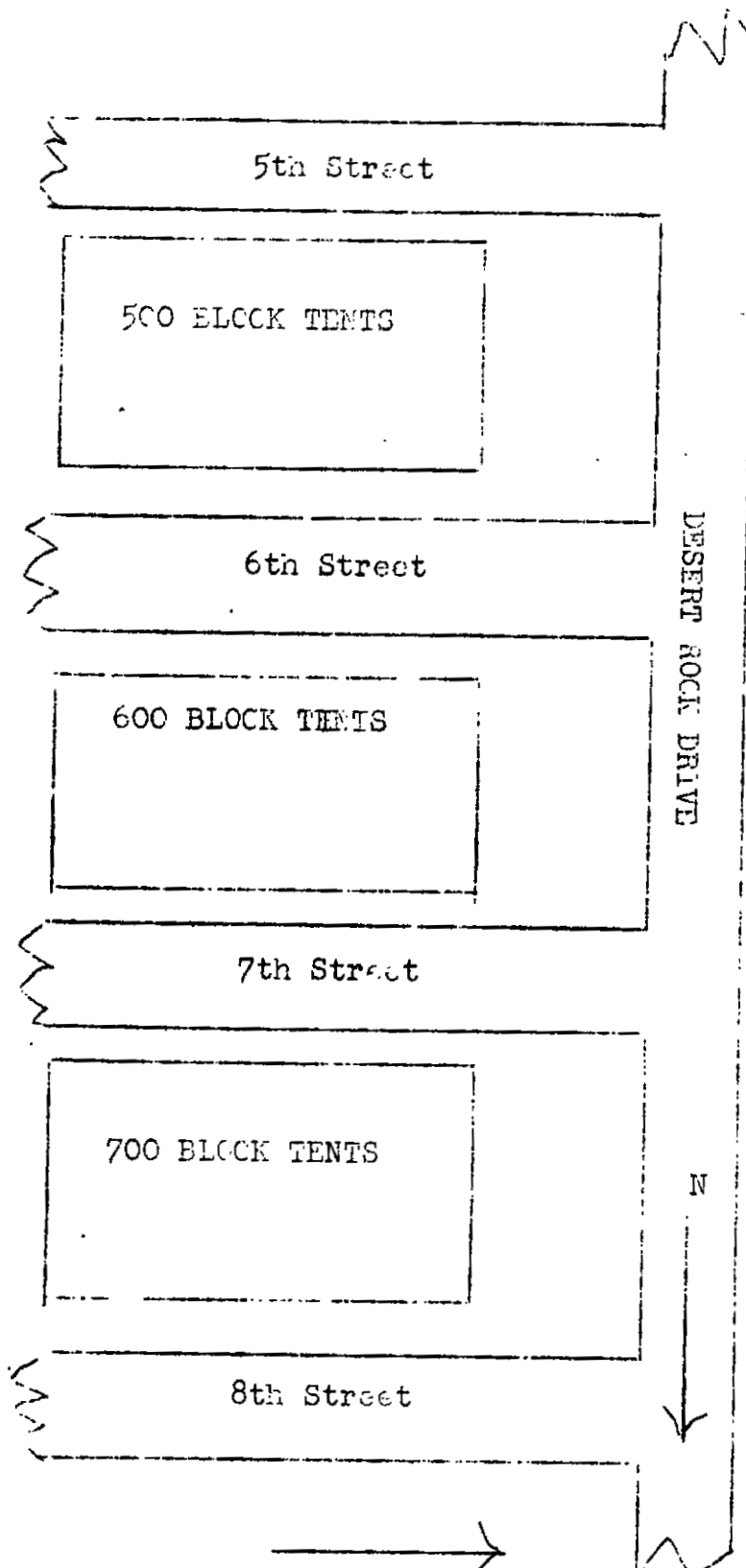
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Appendix 2 to Annex BAKER to Operation Plan 1-52

PARKING AREA

Marine Corps Provisional Exercise Unit  
Camp Desert Rock, Nevada  
OCCO, 25 April 1952

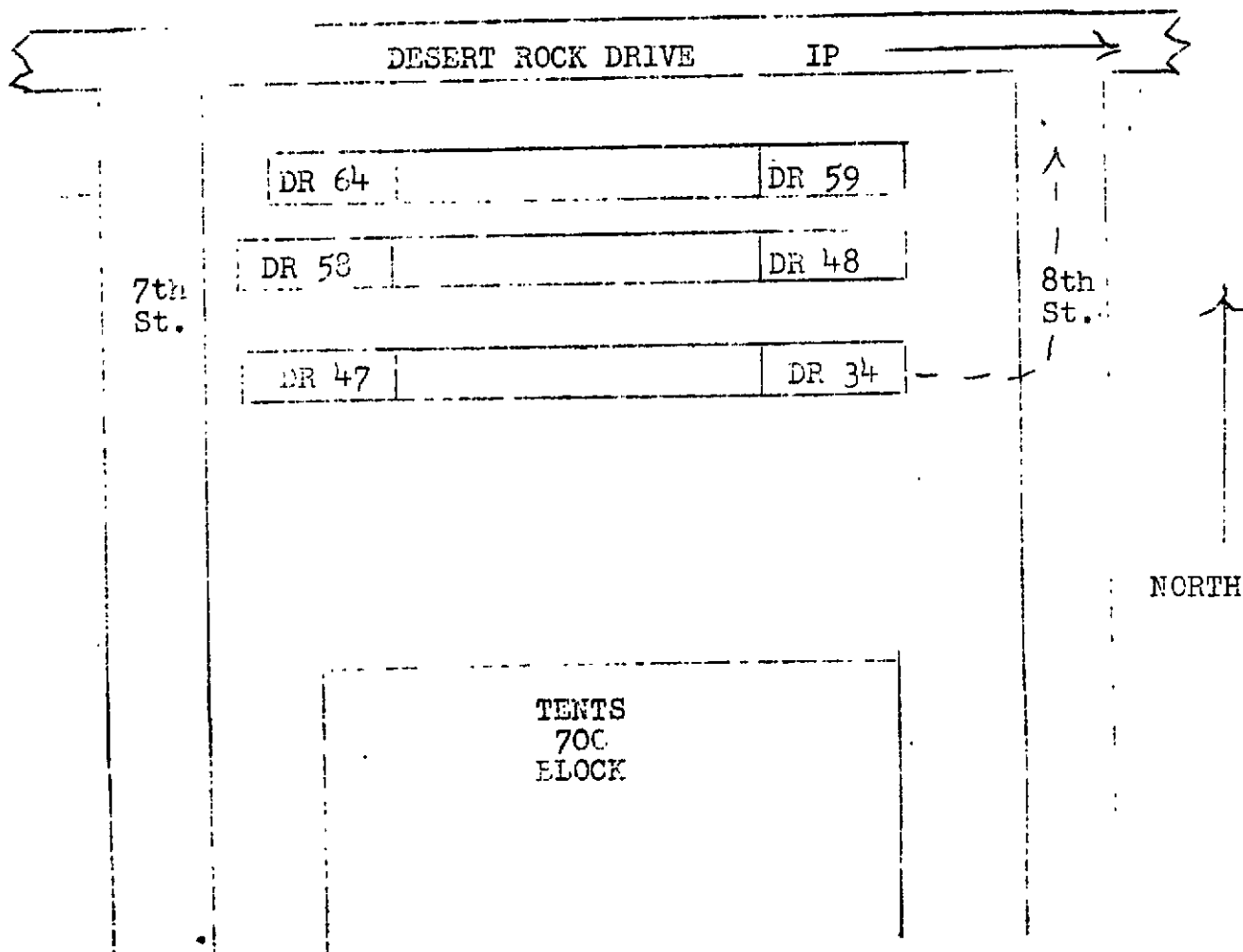


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Marine Corps Provisional Exercise Unit  
Camp Desert Rock, Nevada  
0900, 25 April 1952

Appendix 2 to Annex BAKER to Operation Plan 1-52  
Parking Area Serial #2

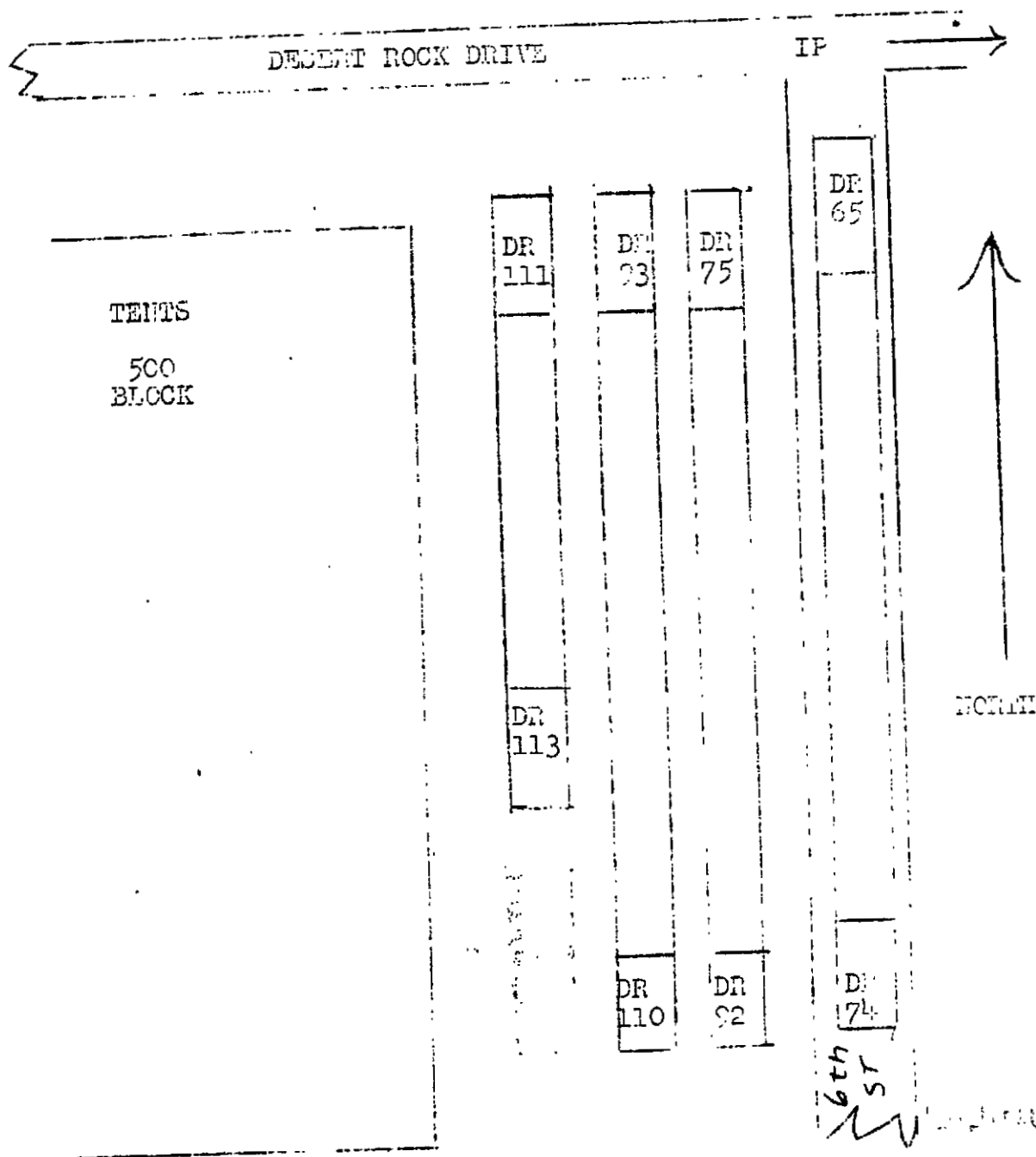




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Marine Corps Provisional Exercise Unit  
Camp Desert Rock, Nevada  
0900, 25 April 1952

Appendix 2 to Annex BAKER to Operation Plan 1-52  
Parking Area Serial #3

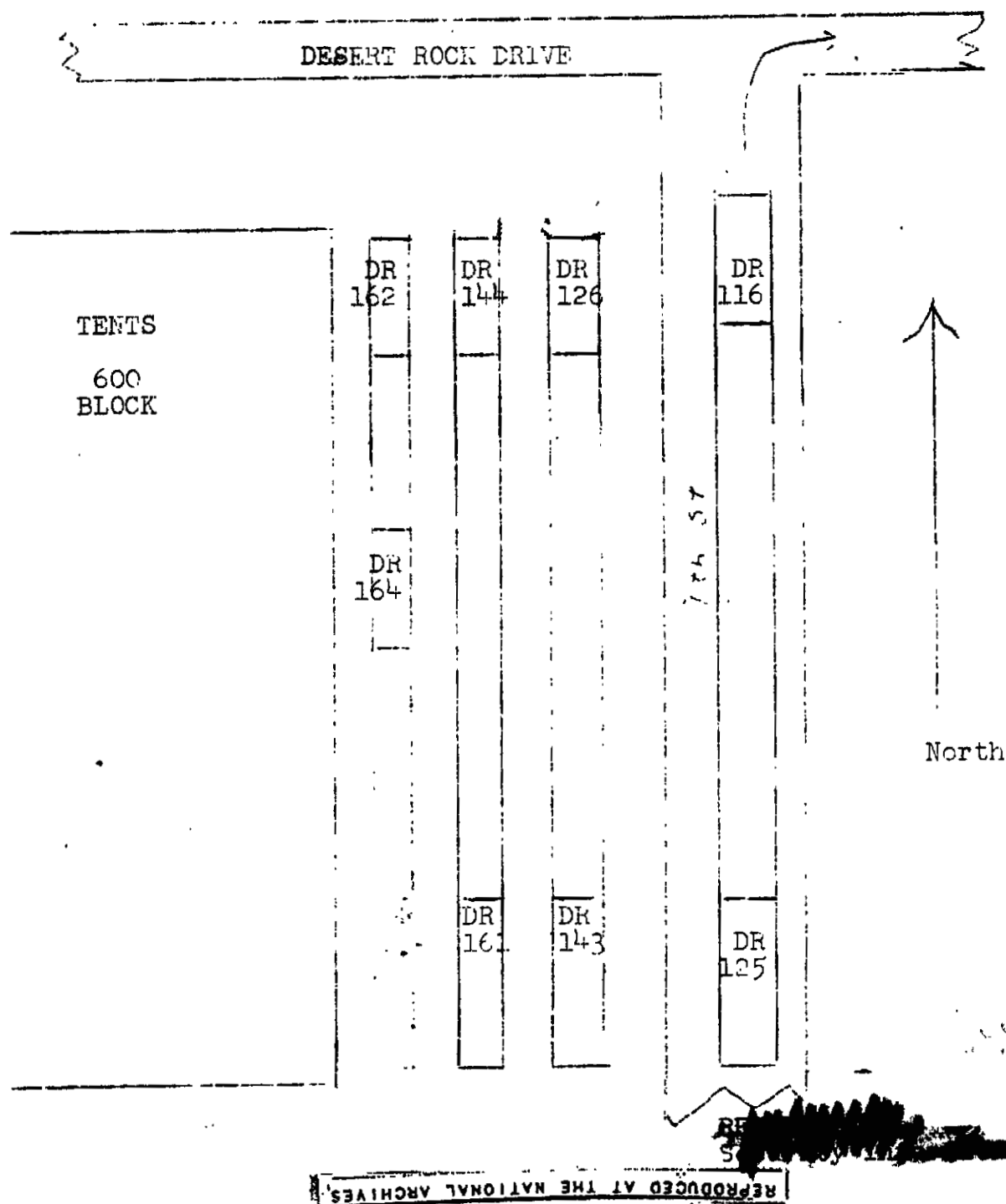


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Marine Corps Provisional Exercise Unit  
Camp Desert Rock, Nevada  
0900, 25 April 1952

Appendix 2 to Annex BAKER to Operation Plan 1-52  
Parking Area Serial 4



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4. Radiation Measuring Devices

a. AN/PDR-27C instruments

(1) One (1) per platoon in Bns

(2) Two (2) for HQ Co

b. AN/PDR-T1B instruments

(1) One (1) per platoon in Bns

(2) Two (2) for HQ Co

c. Dosimeters will be issued to selected personnel.

d. Broons and clean utility clothing will be provided by MOPBU.

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Chief of Staff

APPENDICES:

1. Film Bridge Control
2. Area Monitoring
3. Decontamination
4. Instructions for Shot Day

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Marine Corps Provisional Exercise Unit  
Camp Desert Rock, Nevada  
0900, 25 April 1952

Appendix 1 to Annex CHARLIE to Operation Plan 1-52

FILM BADGE CONTROL

1. All personnel going to the forward area will be required to carry film badges. The MCPEU Rad Safe Officer will issue film badges in bulk to the Bn CO's and HQ Comdt.
2. Issuance of film badges to all personnel will be effected prior to 1800 hours on Shot Day minus one. A complete record of personnel to whom film badges have been issued, and the number of the film badge issued to each, will be kept on report forms to be supplied by the MCPEU Rad-Safe Section. Film badges will be listed in numerical order on the report form. It is important that these records be accurate and complete.
3. Film badges will be collected prior to 1800 on Shot Day or immediately upon return to Camp Desert Rock if return is later than 1800.
4. Film badges with the appropriate records in duplicate will be turned in to the MCPEU Rad-Safe Officer prior to 2000 on Shot Day.

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Chief of Staff

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Marine Corps Provisional Exercise Unit  
Camp Desert Rock, Nevada  
0900, 25 April 1952

## Appendix 2 to Annex CHARLIE to Operation Plan 1-52

## AREA MONITORING

1. Upon forward displacement from the detrucking area (Point FOX), one (1) monitor equipped with an AN/PDR-T1B will precede each platoon, recording time, intensity, and location at predetermined check points. These records will be turned in to the MCPEU Rad-Safe Section upon return to Camp Desert Rock.
2. AN/PDR-27C's will be left on trucks at Point FOX until personnel and vehicle decontamination prior to the outward movement is to be effected.
3. All readings will be taken with the instrument held at waist height.
4. To avoid instrument contamination, instruments will not be placed on the ground from the time the contaminated area is entered until the instruments are again placed on trucks at Point FOX.

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Marine Corps Provisional Signals Unit  
 Camp Desert Rock, Nevada  
 0900, 29 April 1962

### Appendix 3 to Annex CHARLIE to Operation Plan 14-52

#### DECONTAMINATION

##### 1. Personnel Decontamination

a. Personnel decontamination will be effected in three (3) stages as follows:

(1) Stage 1: Before entrucking for the outward movement from Point FOX, clothing, shoes, and individual equipment will be brushed with brooms in order to remove clinging radioactive dust particles. All participants will then be monitored by monitors equipped with AN/PDR-27C's. Those whose level of contamination cannot be reduced below 10 mr/hr will be ordered to the MCPEU Rad-Safe Officer who will provide transportation to the forward decontamination station at YUCCA PASS; all others will be returned to Camp Desert Rock.

(a) Monitoring of personnel and equipment will be conducted holding the instrument probe approximately two (2) inches from the area which is to be monitored.

(b) The names and units of all personnel whose level of contamination cannot be reduced below 1.5 mr/hr in this stage will be recorded.

(2) Stage 2: At the forward decontamination station all personnel whose level of contamination could not be reduced below 10 mr/hr in Stage 1 will take showers and draw clean utility clothing. The responsibility for this stage will rest with the MCPEU Rad-Safe Officer.

(3) Stage 3: At Camp Desert Rock all those who were not required to report to the forward decontamination station will take showers. Bn CO's and the HQ Comd will be responsible for their respective units in this stage, and will ensure that all personnel listed as having a contamination level greater than 1.5 mr/hr in Stage 1 are decontaminated to meet the following standards:

Skin	:	Background
Clothing	:	Less than 1.5 mr/hr

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## 2. Vehicle Decontamination

a. Vehicle decontamination will be effected in three (3) stages as follows:

(1) Stage 1: All vehicles will be monitored by monitors equipped with AN/PDR-27's at Joint FOX prior to the outward movement. Vehicles whose level of contamination cannot be reduced below 10 mr/hr by sweeping will be sent to the vehicle decontamination station at YUCCA PASS.

(2) Stage 2: Vehicles delivered to the vehicle decontamination station will be washed with water until the level of contamination is reduced to background. The MCEU Assistant Rad-Safe Officer will be responsible for this stage of the vehicle decontamination process.

(3) Stage 3: Vehicles which exhibit a level of contamination below 10 mr/hr will be sent to Camp Desert Rock with Stage 3 personnel for further reduction to background.

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Marine Corps Provisional Aerospace Unit  
 Camp Lejeune, North Carolina  
 0900 20 April 1952

Appendix 4 to Annex CHLIE to Operation Plan 1-52

INSTRUCTIONS FOR SHOT DAY

1. Prior to H-Hour, all personnel will place their film badges in their left breast pocket with the numbers on the badge facing outward from the body.
2. Instructions for that period immediately prior to and following H-Hour are as follows:
  - a. All personnel will be crouched low in their foxholes two (2) minutes prior to H-Hour. This position will be maintained until the signal to observe the burst has been passed by loud-speaker.
  - b. All personnel will carry gas masks. Gas masks will be donned upon announcement that CONDITION BLACK exists.
3. Because of the danger of radioactive contamination, no objects in the vicinity of Ground Zero will be picked up or handled and souvenirs will not be collected.

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Marine Corps Provisional Exercise Unit  
 Camp Desert Rock, Nevada  
 0900, 25 April 1952

Annex FOX to Operation Plan 1-52

EQUIPMENT DEMONSTRATION

1. Military equipment and ordnance will be pre-positioned at selected distances from Ground Zero for the purpose of demonstrating the effects of an atomic explosion thereon. These demonstration positions will be prepared by this headquarters prior to Dog-Day.
2. For equipment to be displayed and general arrangement, see Appendix 1.
3. Following the test shot, personnel will be briefed at each position on the effects of the explosion.

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 Colonel, U. S. Marine Corps  
 Chief of Staff

APPENDIX: 1. Layout of Demonstration Positions

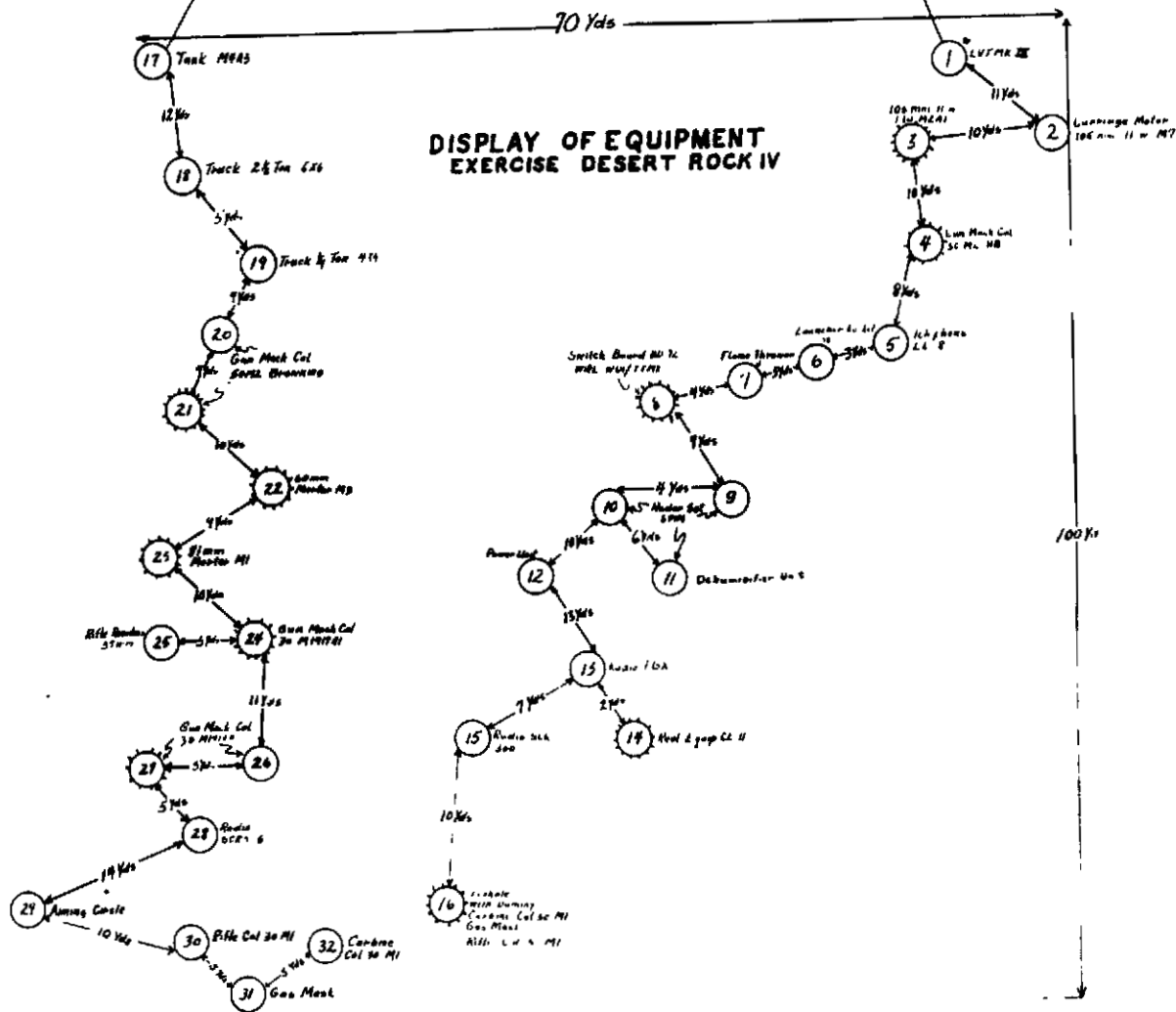
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 W. R. OLSON,  
 LtCol, USMC  
 AGCS, G-3  
 ANNEX FOX

Position 1

# DISPLAY OF EQUIPMENT EXERCISE DESERT ROCK IV



Legend



**Day in EQUIPMENT**

AD.

### ***SURFACE EQUIPMENT***

**ENCLOSURE** (

9

**ENCLOSURE** (1)

Position 3

**ENCLOSURE (1)**

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